

# Sabine Hoffmann

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22  
papers

239  
citations

5  
h-index

15  
g-index

23  
ext. papers

286  
ext. citations

2.6  
avg. IF

3.47  
L-index

#	Paper	IF	Citations
22	Analysis of the Potential of Decentralized Heating and Cooling Systems to Improve Thermal Comfort and Reduce Energy Consumption through an Adaptive Building Controller. <i>Energies</i> , <b>2022</b> , 15, 1100	3.1	0
21	Calculation of View Factors for Building Simulations with an Open-Source Raytracing Tool. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2768	2.6	
20	A multi-objective evaluation for envelope refurbishments with electrochromic glazing. <i>Results in Engineering</i> , <b>2022</b> , 14, 100417	3.3	1
19	Untersuchungen zum sommerlichen Wärmeschutz Teil 2: Vergleich zwischen Modellierung mit Abminderungsfaktor (FC-Faktor) und bidirektionalem Ansatz (BSDF-Methode). <i>Bauphysik</i> , <b>2021</b> , 43, 87-99	3.4	1
18	Untersuchungen zum sommerlichen Wärmeschutz Teil 3: Modellierung komplexer Geometrien und unterschiedlicher Materialeigenschaften von Verschattungssystemen. <i>Bauphysik</i> , <b>2021</b> , 43, 159-173	3.4	1
17	A Reinforcement Learning-Based Approach to Automate the Electrochromic Glass and to Enhance the Visual Comfort. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6949	2.6	
16	Untersuchungen zum sommerlichen Wärmeschutz Teil 1: Vergleich der Nachweisverfahren unter Berücksichtigung zukünftiger Klimadaten. <i>Bauphysik</i> , <b>2021</b> , 43, 27-35	0.4	3
15	Climate-Based Analysis for the Potential Use of Coconut Oil as Phase Change Material in Buildings. <i>Sustainability</i> , <b>2021</b> , 13, 10731	3.6	1
14	Controlling Switchable Electrochromic Glazing for Energy Savings, Visual Comfort and Thermal Comfort: A Model Predictive Control. <i>CivilEng</i> , <b>2021</b> , 2, 1019-1053	1.7	1
13	A Novel Approach to Enhance the Generalization Capability of the Hourly Solar Diffuse Horizontal Irradiance Models on Diverse Climates. <i>Energies</i> , <b>2020</b> , 13, 4868	3.1	1
12	Exploring the potential of dynamic façade systems: an exterior shading system versus a switchable window. <i>Bauphysik</i> , <b>2020</b> , 42, 277-288	0.4	5
11	Behaglichkeitsmonitoring flächendeckend und kostengünstig mit der Sensorstation CoMoS. <i>Bauphysik</i> , <b>2019</b> , 41, 111-119	0.4	2
10	Preliminary study of thermal comfort in buildings with PV-powered thermoelectric surfaces for radiative cooling. <i>Energy Procedia</i> , <b>2017</b> , 121, 87-94	2.3	5
9	Influence of PV-powered thermoelectric surfaces for user-individual radiative cooling on the cooling energy demand of buildings. <i>Energy Procedia</i> , <b>2017</b> , 132, 15-20	2.3	2
8	Balancing daylight, glare, and energy-efficiency goals: An evaluation of exterior coplanar shading systems using complex fenestration modeling tools. <i>Energy and Buildings</i> , <b>2016</b> , 112, 279-298	7	48
7	Assessment of the Potential to Achieve very Low Energy Use in Public Buildings in China with Advanced Window and Shading Systems. <i>Buildings</i> , <b>2015</b> , 5, 668-699	3.2	4
6	Angular selective window systems: Assessment of technical potential for energy savings. <i>Energy and Buildings</i> , <b>2015</b> , 90, 188-206	7	27

5	Examination of the technical potential of near-infrared switching thermochromic windows for commercial building applications. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 123, 65-80	6.4	88
4	An empirical study of a full-scale polymer thermochromic window and its implications on material science development objectives. <i>Solar Energy Materials and Solar Cells</i> , <b>2013</b> , 116, 14-26	6.4	38
3	Zur Aussagekraft von Simulationsergebnissen auf Basis der Testreferenzjahre (TRY) über die Häufigkeit sommerlicher Überhitzung. <i>Bauphysik</i> , <b>2007</b> , 29, 99-109	0.4	8
2	Der sommerliche Wärmeschutz eines sanierten Wohngebäudes aus den 1950er Jahren unter Berücksichtigung des Nutzerverhaltens. <i>Bauphysik</i> , <b>2004</b> , 26, 189-196	0.4	2
1	The influence of macro-encapsulated PCM panel geometry on heat transfer in a ceiling application. <i>Advances in Building Energy Research</i> , 1-21	1.8	1